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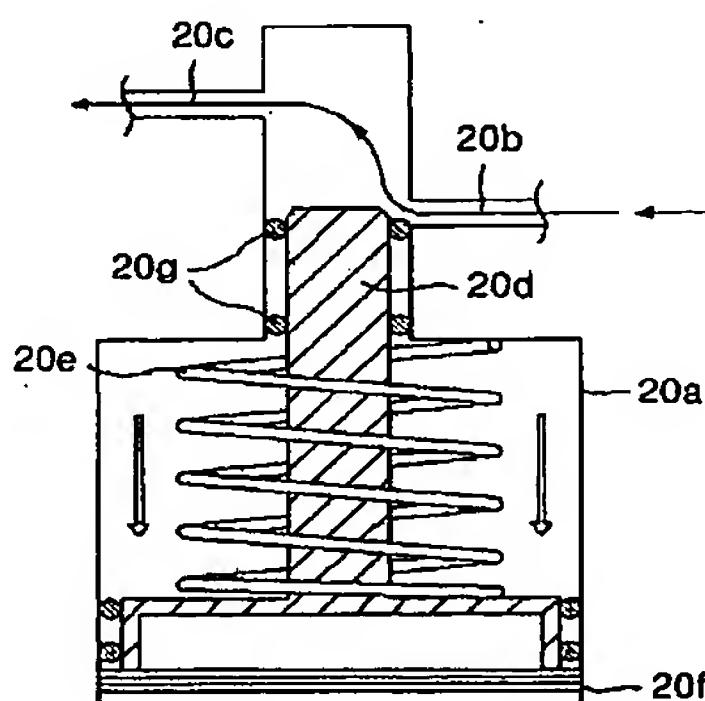
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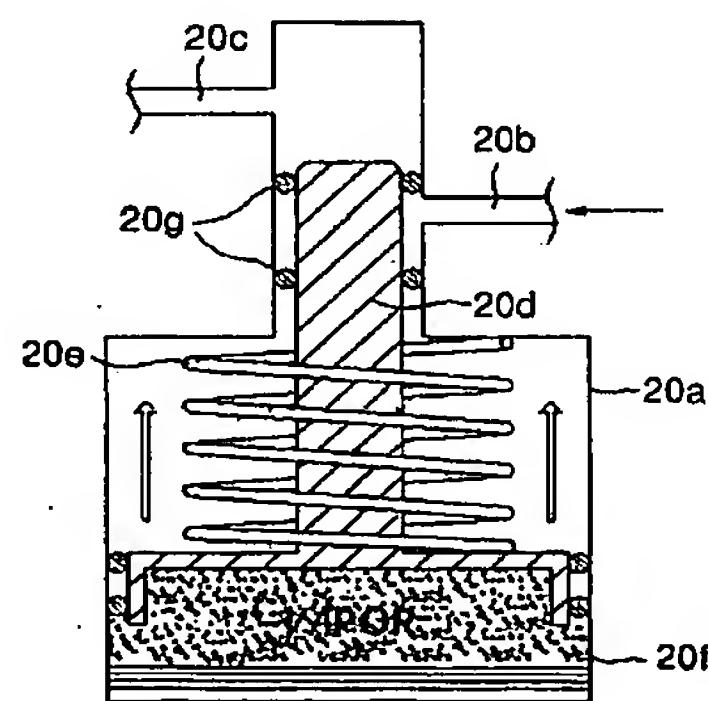
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(54) Title: GAS CONTROL/BLOCK VALVE AND AUTOMATIC CIRCULATION DEVICE OF WARM WATER USING THE GAS VALVES



(open)



(closed)

(57) Abstract: The present invention relates to gas controlling and blocking valves and An automatic warm water circulator using the same, and includes a circulation cycle formed such that a reservoir is connected to a boiler by a supply pipe, the boiler is connected to a heat exchanger by a discharge pipe, and the reservoir is connected to the heat exchanger by a circulation pipe, a hollow combustion chamber provided in the lower side of the boiler and having both sides protruded toward the outside of the boiler, a gas supply and ignition device for supplying the gas to the inside of the combustion chamber and for burning the gas to heat water in the boiler, and a supply valve and discharge valve respectively provided in the supply pipe and the discharge pipe and automatically opened and closed in response to the inner pressure for the boiler. Since the gas is controlling and blocking valves and the automatic warm water circulator using the same uses portable gases as a heat source for producing and circulation warm water, the automatic warm water circulator can conveniently supply the warm water to various heaters even outdoors where it is difficult to use electric power.

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